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Transmission Functions for Various Models of the Atmosphere
for Channels of Soviet and American Radiometers
(15 Micron CO₂ Band)

Academy of Sciences USSR

Translation of "Funktsii Propuskaniya dlya Razlichnykh Modeley
Atmosfery dlya Kanałov Sovetskogo i Amerikanskogo Radiometrov
(15 mkm polosko CO₂), Academy of Sciences USSR, Moscow, Report, Joint
Soviet-American Working Group on Space Meteorology, April 1978, 26 pp.



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WASHINGTON, D.C. 20546 MAY 1978

(NASA-TM-75105) TRANSMISSION FUNCTIONS FOR
VARIOUS MODELS OF THE ATMOSPHERE FOR
CHANNELS OF SOVIET AND AMERICAN RADIOMETERS
(15 MICRON CO₂ BAND) (National Aeronautics
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16. Abstract This report concerns Point IX of a list of works conducted by the USSR in accordance with the Joint Soviet-American Research Program on improving methods of thermal sounding from satellites. Appendix III to the Protocol of the third meeting of the Soviet-American Work Group on space meteorology. Moscow, USSR. November 10-22, 1976. Listed are various graphs and tables for illustrations.			
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Point IX of a list of works conducted by the USSR in accordance with the Joint Soviet-American Research Program on improving methods of thermal sounding from satellites. Appendix III to the Protocol of the third meeting of the Soviet-American Work Group on space meteorology. Moscow, USSR. November 10-22, 1976.

TRANSMISSION FUNCTIONS FOR VARIOUS MODELS OF THE ATMOSPHERE FOR
CHANNELS OF SOVIET AND AMERICAN RADIOMETERS
(15 MICRON CO₂ BAND)

/1.

- Tables 1-8 - Soviet radiometer
- Tables 9-16 - American radiometer
- Tables 1 and 9 - Basic model: CO₂ content is $c = 330$ parts per million.
- Tables 2 and 10 - An increase in the level of CO₂: $c = 363$ parts per million.
- Tables 3 and 11 - "Distortion" of the instrument function of the radiometer -
a shift of the center of the instrument function by
 $+1 \text{ cm}^{-1}$.
- Tables 4 and 12 - "Distortion" of the instrument function of the radiometer -
"tension" $\varphi (V - V_0)$ (the half-width of the
instrument function is increased by 10%).
- Tables 5 and 13 - The transmission functions taking into account the aerosol
absorption. Aerosol model I, the exponential $\tau = 0.1$.
- Tables 6 and 14 - The same, but aerosol model II, the exponential $\tau = 0.2$.
- Tables 7 and 15 - The same, but aerosol model III, layered, $\tau_0 = 0.1$.
- Tables 8 and 16 - The same, but aerosol model IV, layered, $\tau = 0.2$.

Table I

(cm ⁻¹) P (mbar)	532	666.5	676	692.5	699	736	745
0.20	1.000	0.981	0.990	0.995	0.996	0.998	0.999
0.30	1.000	0.977	0.988	0.994	0.995	0.998	0.999
0.50	1.000	0.970	0.984	0.992	0.994	0.997	0.998
0.70	1.000	0.961	0.979	0.990	0.993	0.997	0.998
1.00	1.000	0.950	0.974	0.987	0.991	0.996	0.997
2.00	1.000	0.916	0.954	0.979	0.986	0.994	0.996
3.00	1.000	0.888	0.938	0.971	0.981	0.993	0.995
4.00	1.000	0.865	0.922	0.964	0.977	0.992	0.995
5.00	1.000	0.846	0.908	0.957	0.972	0.990	0.994
6.00	1.000	0.829	0.894	0.949	0.968	0.989	0.993
7.00	1.000	0.814	0.881	0.942	0.964	0.988	0.993
8.50	1.000	0.792	0.862	0.932	0.958	0.986	0.991
10.00	1.000	0.772	0.844	0.922	0.951	0.984	0.991
12.50	1.000	0.739	0.814	0.905	0.942	0.981	0.989
15.00	1.000	0.710	0.785	0.889	0.931	0.973	0.986
17.50	1.000	0.681	0.757	0.873	0.921	0.976	0.986
20.00	1.000	0.653	0.729	0.856	0.911	0.973	0.985
25.00	1.000	0.597	0.670	0.822	0.889	0.967	0.982
30.00	1.000	0.549	0.620	0.791	0.869	0.962	0.979
35.00	0.999	0.506	0.574	0.761	0.850	0.957	0.976
40.00	0.999	0.465	0.531	0.732	0.810	0.952	0.973
50.00	0.999	0.387	0.447	0.671	0.792	0.942	0.967
60.00	0.999	0.325	0.379	0.616	0.757	0.932	0.961
70.00	0.999	0.273	0.318	0.566	0.722	0.923	0.956
85.00	0.999	0.208	0.244	0.494	0.672	0.909	0.947
100.00	0.999	0.159	0.185	0.431	0.628	0.896	0.939
125.00	0.999	0.101	0.112	0.341	0.559	0.873	0.925
150.00	0.999	0.065	0.065	0.268	0.500	0.853	0.911
175.00	0.999	0.043	0.036	0.209	0.448	0.834	0.899
200.00	0.999	0.030	0.019	0.163	0.402	0.815	0.886
250.00	0.999	0.018	0.005	0.098	0.324	0.773	0.857
300.00	0.999	0.013	0.001	0.057	0.259	0.730	0.827
350.00	0.998	0.010	0.000	0.032	0.203	0.683	0.793
400.00	0.998	0.008	0.000	0.018	0.158	0.635	0.757
500.00	0.997	0.005	0.000	0.005	0.093	0.540	0.682
600.00	0.995	0.003	0.000	0.001	0.054	0.450	0.606
700.00	0.994	0.002	0.000	0.000	0.031	0.367	0.532
850.00	0.990	0.001	0.000	0.000	0.015	0.261	0.431
920.00	0.989	0.001	0.000	0.000	0.010	0.220	0.389
1000.00	0.987	0.000	0.000	0.000	0.007	0.180	0.345

ORIGINAL PAGE IS
OF POOR QUALITY

Table 2

cm^{-1} P(mbar)	532	666,5	676	692,5	699	736	746
0.20	1.000	0.980	0.989	0.995	0.996	0.998	0.999
0.30	1.000	0.976	0.987	0.994	0.995	0.997	0.998
0.50	1.000	0.967	0.982	0.992	0.994	0.997	0.998
0.70	1.000	0.958	0.978	0.989	0.992	0.996	0.998
0.90	1.000	0.945	0.971	0.986	0.990	0.996	0.997
2.00	1.000	0.909	0.950	0.977	0.985	0.994	0.996
3.00	1.000	0.880	0.932	0.968	0.980	0.992	0.995
4.00	1.000	0.856	0.916	0.960	0.974	0.991	0.994
5.00	1.000	0.836	0.900	0.952	0.970	0.989	0.993
6.00	1.000	0.818	0.885	0.944	0.965	0.988	0.992
7.00	1.000	0.803	0.871	0.936	0.960	0.986	0.992
8.50	1.000	0.779	0.851	0.925	0.953	0.984	0.991
10.00	1.000	0.759	0.831	0.914	0.947	0.983	0.990
12.50	1.000	0.723	0.798	0.895	0.935	0.979	0.988
15.00	1.000	0.692	0.767	0.877	0.924	0.976	0.986
17.50	1.000	0.661	0.736	0.859	0.912	0.973	0.985
20.00	1.000	0.631	0.706	0.842	0.901	0.970	0.983
25.00	0.999	0.571	0.644	0.805	0.878	0.964	0.980
30.00	0.999	0.521	0.591	0.771	0.856	0.958	0.976
35.00	0.999	0.475	0.542	0.739	0.835	0.952	0.973
40.00	0.999	0.429	0.494	0.707	0.814	0.947	0.970
50.00	0.999	0.354	0.410	0.604	0.772	0.935	0.963
60.00	0.999	0.291	0.339	0.582	0.733	0.925	0.957
70.00	0.999	0.240	0.280	0.529	0.697	0.915	0.951
85.00	0.999	0.177	0.207	0.455	0.644	0.900	0.941
100.00	0.999	0.131	0.151	0.390	0.597	0.886	0.932
125.00	0.999	0.080	0.085	0.300	0.527	0.861	0.916
150.00	0.999	0.050	0.045	0.229	0.466	0.839	0.902
175.00	0.999	0.033	0.023	0.175	0.413	0.818	0.888
200.00	0.999	0.024	0.011	0.133	0.368	0.797	0.873
250.00	0.998	0.015	0.002	0.075	0.291	0.751	0.841
300.00	0.998	0.012	0.001	0.042	0.228	0.704	0.808
350.00	0.998	0.009	0.000	0.022	0.175	0.654	0.772
400.00	0.997	0.007	0.000	0.012	0.133	0.603	0.733
500.00	0.996	0.004	0.000	0.004	0.076	0.503	0.651
600.00	0.994	0.002	0.000	0.000	0.042	0.409	0.571
700.00	0.992	0.001	0.000	0.000	0.024	0.325	0.494
850.00	0.988	0.001	0.000	0.000	0.011	0.222	0.392
920.00	0.986	0.000	0.000	0.000	0.007	0.183	0.351
1000.00	0.984	0.000	0.000	0.000	0.005	0.145	0.308

ORIGINAL PAGE IS
OF POOR QUALITY

Table 3

cm^{-1} P(mbar)	532	666.5	676	692.5	699	736	746
0.20	1.000	0.979	0.991	0.995	0.996	0.998	0.999
0.30	1.000	0.975	0.989	0.994	0.995	0.998	0.999
0.50	1.000	0.966	0.985	0.992	0.994	0.997	0.998
0.70	1.000	0.957	0.981	0.991	0.993	0.997	0.998
0.90	1.000	0.945	0.975	0.988	0.991	0.996	0.997
2.00	1.000	0.907	0.957	0.980	0.987	0.995	0.996
3.00	1.000	0.876	0.941	0.973	0.982	0.993	0.995
4.00	1.000	0.851	0.926	0.966	0.978	0.992	0.995
5.00	1.000	0.830	0.912	0.959	0.974	0.991	0.994
6.00	1.000	0.811	0.899	0.953	0.970	0.989	0.993
7.00	1.000	0.795	0.886	0.946	0.966	0.988	0.993
8.50	0.999	0.771	0.867	0.936	0.960	0.987	0.992
10.00	0.999	0.751	0.849	0.927	0.954	0.985	0.991
12.50	0.999	0.716	0.820	0.911	0.945	0.982	0.990
15.00	0.999	0.685	0.791	0.896	0.936	0.979	0.983
17.50	0.999	0.656	0.763	0.880	0.926	0.977	0.987
20.00	0.999	0.627	0.735	0.865	0.916	0.974	0.985
25.00	0.999	0.571	0.677	0.833	0.896	0.969	0.983
30.00	0.999	0.523	0.627	0.803	0.877	0.964	0.980
35.00	0.999	0.480	0.581	0.775	0.859	0.959	0.977
40.00	0.999	0.441	0.538	0.748	0.841	0.954	0.974
50.00	0.999	0.365	0.454	0.689	0.804	0.944	0.969
60.00	0.999	0.307	0.365	0.638	0.771	0.935	0.963
70.00	0.999	0.257	0.325	0.588	0.738	0.926	0.958
85.00	0.999	0.196	0.249	0.519	0.691	0.913	0.950
100.00	0.999	0.150	0.189	0.457	0.648	0.900	0.942
125.00	0.999	0.096	0.116	0.369	0.582	0.879	0.928
150.00	0.999	0.063	0.067	0.295	0.524	0.859	0.916
175.00	0.999	0.043	0.037	0.236	0.473	0.840	0.903
200.00	0.999	0.031	0.020	0.188	0.428	0.822	0.891
250.00	0.999	0.019	0.005	0.117	0.349	0.781	0.863
300.00	0.998	0.014	0.001	0.071	0.282	0.739	0.834
350.00	0.998	0.011	0.000	0.041	0.224	0.693	0.802
400.00	0.998	0.009	0.000	0.023	0.176	0.645	0.767
500.00	0.996	0.006	0.000	0.007	0.106	0.551	0.694
600.00	0.995	0.003	0.000	0.001	0.062	0.461	0.620
700.00	0.993	0.002	0.000	0.000	0.037	0.378	0.548
850.00	0.990	0.001	0.000	0.000	0.017	0.271	0.449
920.00	0.988	0.001	0.000	0.000	0.013	0.230	0.407
1000.00	0.985	0.000	0.000	0.000	0.009	0.188	0.364

Table 4

cm^{-1} P(mbar)	532	666.5	676	692.5	699	736	746
0.20	1.000	0.982	0.990	0.995	0.996	0.998	0.999
0.30	1.000	0.978	0.988	0.994	0.995	0.998	0.998
0.50	1.000	0.971	0.984	0.992	0.994	0.997	0.998
0.70	1.000	0.963	0.979	0.990	0.993	0.997	0.998
1.00	1.000	0.952	0.974	0.987	0.991	0.996	0.997
2.00	1.000	0.919	0.954	0.979	0.985	0.994	0.996
3.00	1.000	0.893	0.937	0.971	0.981	0.993	0.995
4.00	1.000	0.871	0.922	0.964	0.976	0.992	0.994
5.00	1.000	0.852	0.908	0.957	0.971	0.990	0.994
6.00	1.000	0.836	0.894	0.949	0.967	0.989	0.993
7.00	1.000	0.820	0.881	0.942	0.963	0.988	0.992
8.50	1.000	0.799	0.862	0.932	0.956	0.986	0.991
10.00	1.000	0.780	0.844	0.922	0.950	0.984	0.990
12.50	1.000	0.747	0.814	0.905	0.940	0.981	0.989
15.00	1.000	0.718	0.786	0.889	0.929	0.978	0.987
17.50	1.000	0.689	0.758	0.872	0.919	0.976	0.986
20.00	1.000	0.661	0.730	0.855	0.908	0.973	0.984
25.00	1.000	0.606	0.672	0.831	0.886	0.967	0.981
30.00	1.000	0.558	0.622	0.791	0.855	0.962	0.978
35.00	0.999	0.514	0.576	0.761	0.846	0.956	0.975
40.00	0.999	0.473	0.533	0.732	0.827	0.951	0.972
50.00	0.999	0.395	0.450	0.670	0.787	0.941	0.966
60.00	0.999	0.333	0.382	0.616	0.751	0.932	0.960
70.00	0.999	0.281	0.322	0.565	0.717	0.922	0.954
85.00	0.999	0.216	0.247	0.494	0.657	0.908	0.945
100.00	0.999	0.165	0.189	0.431	0.622	0.895	0.937
125.00	0.999	0.106	0.115	0.342	0.555	0.873	0.922
150.00	0.999	0.070	0.068	0.270	0.496	0.852	0.908
175.00	0.999	0.047	0.038	0.212	0.445	0.832	0.895
200.00	0.999	0.034	0.021	0.168	0.401	0.813	0.882
250.00	0.999	0.022	0.006	0.101	0.325	0.771	0.853
300.00	0.999	0.077	0.002	0.030	0.262	0.728	0.822
350.00	0.998	0.013	0.001	0.035	0.208	0.682	0.788
400.00	0.998	0.011	0.000	0.030	0.164	0.634	0.752
500.00	0.997	0.007	0.000	0.006	0.100	0.539	0.676
600.00	0.995	0.005	0.000	0.001	0.060	0.450	0.600
700.00	0.994	0.003	0.000	0.000	0.037	0.369	0.528
850.00	0.990	0.002	0.000	0.000	0.018	0.266	0.428
920.00	0.988	0.001	0.000	0.000	0.013	0.226	0.387
1000.00	0.986	0.001	0.000	0.000	0.009	0.186	0.344

Table 5

cm^{-1}	532	666.5	676	692.5	699	736	746
P(mbar)							
0.2	1.0	0.981	0.990	0.995	0.996	0.998	0.999
0.3	1.0	0.977	0.988	0.994	0.995	0.998	0.999
0.5	1.0	0.970	0.984	0.992	0.994	0.997	0.998
0.7	1.0	0.961	0.979	0.990	0.993	0.997	0.998
0.9	1.0	0.950	0.974	0.987	0.991	0.996	0.997
2.0	1.0	0.916	0.954	0.979	0.986	0.994	0.996
3.0	1.0	0.888	0.938	0.971	0.981	0.993	0.995
4.0	1.0	0.865	0.922	0.964	0.977	0.992	0.995
5.0	1.0	0.846	0.908	0.957	0.972	0.990	0.994
6.0	1.0	0.829	0.894	0.949	0.968	0.989	0.993
7.0	1.0	0.814	0.881	0.942	0.964	0.988	0.993
8.5	1.0	0.792	0.862	0.932	0.958	0.986	0.991
10.0	1.0	0.772	0.844	0.922	0.951	0.984	0.991
12.5	1.0	0.739	0.814	0.905	0.942	0.981	0.989
15.0	1.0	0.710	0.785	0.889	0.931	0.978	0.988
17.5	1.0	0.681	0.757	0.873	0.921	0.976	0.986
20.0	1.0	0.653	0.729	0.856	0.911	0.973	0.985
25.0	1.0	0.597	0.670	0.822	0.889	0.967	0.9822
30.0	1.000	0.549	0.620	0.791	0.869	0.962	0.979
35.0	0.999	0.506	0.574	0.761	0.850	0.957	0.976
40.0	0.999	0.465	0.531	0.732	0.810	0.952	0.973
50.0	0.999	0.387	0.447	0.671	0.792	0.942	0.967
60.0	0.999	0.325	0.379	0.616	0.757	0.932	0.961
70.0	0.999	0.273	0.318	0.566	0.722	0.923	0.956
85.0	0.999	0.208	0.244	0.494	0.672	0.909	0.947
100.0	0.999	0.159	0.185	0.431	0.628	0.896	0.939
125.0	0.999	0.101	0.112	0.341	0.559	0.873	0.925
150.0	0.999	0.065	0.065	0.263	0.550	0.853	0.911
175.0	0.999	0.043	0.036	0.209	0.448	0.834	0.899
200.0	0.999	0.030	0.019	0.163	0.402	0.815	0.886
250.0	0.998	0.018	0.005	0.098	0.324	0.773	0.856
300.0	0.998	0.013	0.001	0.057	0.259	0.729	0.826
350.0	0.995	0.010	0	0.032	0.203	0.682	0.792
400.0	0.995	0.008	0	0.018	0.158	0.633	0.755
500.0	0.991	0.005	0	0.005	0.092	0.537	0.678
600.0	0.982	0.003	0	0.001	0.053	0.444	0.598
700.0	0.971	0.002	0	0	0.030	0.358	0.520
850.0	0.941	0.001	0	0	0.014	0.248	0.410
920.0	0.922	0.001	0	0	0.009	0.205	0.362
1000.0	0.893	0.000	0	0	0.006	0.163	0.312

Table 6

cm^{-1} P(mbar)	532	666.5	676	692.5	699	736	746
0.2	1.0	0.981	0.990	0.995	0.996	0.998	0.999
0.3	1.0	0.977	0.988	0.994	0.995	0.998	0.999
0.5	1.0	0.970	0.984	0.992	0.994	0.997	0.998
0.7	1.0	0.961	0.979	0.990	0.993	0.997	0.998
0.0	1.0	0.950	0.974	0.987	0.991	0.996	0.997
2.0	1.0	0.916	0.954	0.979	0.986	0.994	0.996
3.0	1.0	0.888	0.938	0.971	0.981	0.993	0.995
4.0	1.0	0.865	0.922	0.964	0.977	0.992	0.995
5.0	1.000	0.846	0.908	0.957	0.972	0.990	0.994
6.0	1.000	0.829	0.894	0.949	0.968	0.989	0.993
7.0	1.000	0.814	0.881	0.942	0.964	0.988	0.993
8.5	1.000	0.792	0.862	0.932	0.958	0.986	0.991
10.0	1.000	0.772	0.844	0.922	0.951	0.984	0.991
12.5	1.000	0.739	0.814	0.905	0.942	0.981	0.989
15.0	1.000	0.710	0.785	0.889	0.931	0.978	0.988
17.5	1.000	0.681	0.757	0.873	0.921	0.976	0.986
20.0	1.000	0.653	0.729	0.856	0.911	0.973	0.985
25.0	1.000	0.597	0.670	0.822	0.889	0.967	0.982
30.0	1.000	0.549	0.620	0.791	0.869	0.962	0.979
35.0	0.999	0.506	0.574	0.761	0.850	0.957	0.976
40.0	0.999	0.465	0.531	0.732	0.810	0.952	0.973
50.0	0.999	0.387	0.447	0.671	0.792	0.942	0.967
60.0	0.999	0.325	0.379	0.616	0.757	0.932	0.961
70.0	0.999	0.273	0.318	0.566	0.722	0.923	0.956
85.0	0.999	0.208	0.244	0.494	0.672	0.909	0.947
100.0	0.999	0.159	0.185	0.431	0.628	0.896	0.939
125.0	0.999	0.101	0.112	0.341	0.559	0.873	0.925
150.0	0.999	0.065	0.065	0.268	0.500	0.853	0.911
175.0	0.999	0.043	0.036	0.209	0.448	0.834	0.899
200.0	0.998	0.030	0.019	0.163	0.402	0.815	0.885
250.0	0.998	0.018	0.005	0.098	0.324	0.772	0.856
300.0	0.997	0.013	0.001	0.057	0.258	0.728	0.825
350.0	0.994	0.010	0	0.032	0.202	0.681	0.790
400.0	0.992	0.008	0	0.018	0.157	0.631	0.753
500.0	0.984	0.005	0	0.005	0.092	0.533	0.673
600.0	0.970	0.003	0	0.001	0.053	0.439	0.591
700.0	0.948	0.002	0	0	0.030	0.350	0.508
850.0	0.894	0.001	0	0	0.014	0.236	0.389
920.0	0.859	0.001	0	0	0.009	0.191	0.338
1000.0	0.808	0	0	0	0.006	0.147	0.282

Table 7

cm^{-1} P(mbar)	532	666.5	676	692.5	699	736	746
0.2	1.0	0.981	0.990	0.995	0.996	0.998	0.999
0.3	1.0	0.977	0.988	0.994	0.995	0.998	0.999
0.5	1.0	0.970	0.984	0.992	0.994	0.997	0.998
0.7	1.0	0.961	0.979	0.990	0.993	0.997	0.998
1.0	1.0	0.950	0.974	0.987	0.991	0.996	0.997
2.0	1.0	0.916	0.954	0.979	0.986	0.994	0.996
3.0	1.0	0.888	0.938	0.971	0.981	0.993	0.995
4.0	1.0	0.865	0.922	0.964	0.977	0.992	0.995
5.0	1.0	0.846	0.908	0.957	0.972	0.990	0.994
6.0	1.0	0.829	0.894	0.949	0.968	0.989	0.993
7.0	1.0	0.814	0.881	0.942	0.964	0.988	0.993
8.5	1.0	0.792	0.862	0.932	0.958	0.986	0.991
10.0	1.0	0.772	0.844	0.922	0.951	0.984	0.991
12.5	1.0	0.739	0.814	0.905	0.942	0.981	0.989
15.0	1.0	0.710	0.785	0.889	0.931	0.978	0.988
17.5	1.0	0.681	0.757	0.873	0.921	0.976	0.986
20.0	1.000	0.653	0.729	0.856	0.911	0.973	0.985
25.0	1.000	0.597	0.670	0.822	0.889	0.967	0.982
30.0	1.000	0.549	0.620	0.791	0.869	0.962	0.979
35.0	0.999	0.506	0.574	0.761	0.850	0.957	0.976
40.0	0.999	0.465	0.531	0.732	0.810	0.952	0.973
50.0	0.999	0.387	0.447	0.671	0.792	0.942	0.967
60.0	0.998	0.325	0.379	0.616	0.756	0.931	0.960
70.0	0.998	0.273	0.318	0.565	0.721	0.922	0.955
85.0	0.997	0.208	0.243	0.493	0.670	0.907	0.945
100.0	0.996	0.159	0.184	0.430	0.626	0.893	0.936
125.0	0.996	0.101	0.112	0.340	0.557	0.870	0.922
150.0	0.996	0.065	0.065	0.267	0.498	0.850	0.908
175.0	0.996	0.043	0.036	0.208	0.446	0.831	0.896
200.0	0.995	0.030	0.019	0.162	0.401	0.812	0.883
250.0	0.992	0.018	0.005	0.097	0.322	0.768	0.852
300.0	0.987	0.013	0.001	0.056	0.256	0.721	0.817
350.0	0.980	0.010	0	0.031	0.199	0.671	0.779
400.0	0.977	0.008	0	0.018	0.155	0.622	0.741
500.0	0.971	0.005	0	0.005	0.091	0.526	0.665
600.0	0.966	0.003	0	0.001	0.052	0.437	0.588
700.0	0.956	0.002	0	0	0.030	0.353	0.512
850.0	0.930	0.001	0	0	0.014	0.245	0.405
920.0	0.914	0.001	0	0	0.009	0.203	0.359
1000.0	0.893	0	0	0	0.006	0.163	0.312

Table - 8

cm^{-1} $P(\text{ mbar})$	532	666.5	676	692.5	699	736	746
0.2	1.0	0.981	0.990	0.995	0.996	0.998	0.999
0.3	1.0	0.977	0.988	0.994	0.995	0.998	0.999
0.5	1.0	0.970	0.984	0.992	0.994	0.997	0.998
0.7	1.0	0.961	0.979	0.990	0.993	0.997	0.998
1.0	1.0	0.950	0.974	0.987	0.991	0.996	0.997
2.0	1.0	0.916	0.954	0.979	0.986	0.994	0.996
3.0	1.0	0.888	0.938	0.971	0.981	0.993	0.995
4.0	1.0	0.865	0.922	0.964	0.977	0.992	0.995
5.0	1.0	0.846	0.908	0.957	0.972	0.990	0.994
6.0	1.0	0.829	0.894	0.949	0.966	0.989	0.993
7.0	1.0	0.814	0.881	0.942	0.964	0.986	0.993
8.5	1.0	0.792	0.862	0.932	0.958	0.986	0.991
10.0	1.0	0.772	0.844	0.922	0.951	0.984	0.991
12.5	1.0	0.739	0.814	0.905	0.942	0.961	0.989
15.0	1.0	0.710	0.785	0.889	0.931	0.978	0.988
17.5	1.0	0.681	0.757	0.873	0.921	0.976	0.986
20.0	1.0	0.653	0.729	0.856	0.911	0.973	0.985
25.0	1.0	0.597	0.670	0.822	0.889	0.967	0.982
30.0	1.0	0.549	0.620	0.791	0.869	0.962	0.979
35.0	0.999	0.506	0.574	0.761	0.850	0.957	0.976
40.0	0.999	0.465	0.531	0.732	0.810	0.952	0.973
50.0	0.998	0.387	0.447	0.671	0.792	0.941	0.966
60.0	0.997	0.325	0.378	0.615	0.756	0.931	0.960
70.0	0.996	0.272	0.317	0.564	0.720	0.920	0.953
85.0	0.995	0.207	0.243	0.492	0.669	0.905	0.943
100.0	0.994	0.158	0.184	0.429	0.624	0.891	0.934
125.0	0.993	0.100	0.111	0.339	0.555	0.868	0.919
150.0	0.992	0.065	0.065	0.266	0.497	0.847	0.905
175.0	0.992	0.043	0.036	0.208	0.445	0.828	0.893
200.0	0.992	0.030	0.019	0.162	0.399	0.809	0.880
250.0	0.987	0.018	0.005	0.097	0.320	0.763	0.846
300.0	0.976	0.013	0.001	0.056	0.253	0.713	0.808
350.0	0.962	0.010	0.000	0.031	0.196	0.658	0.765
400.0	0.957	0.008	0	0.017	0.151	0.609	0.726
500.0	0.947	0.005	0	0.005	0.088	0.513	0.647
600.0	0.938	0.003	0	0.001	0.051	0.424	0.571
700.0	0.920	0.002	0	0.000	0.029	0.340	0.492
850.0	0.873	0.001	0	0	0.013	0.230	0.380
920.0	0.845	0.001	0	0	0.009	0.188	0.332
1000.0	0.808	0	0	0	0.006	0.147	0.282

Table 9

CM^{-1} P(mbar)	669	679	690	702	719	732	751
0.20	0.968	0.994	0.995	0.997	0.997	0.998	0.999
0.30	0.962	0.992	0.994	0.996	0.996	0.998	0.999
0.50	0.950	0.989	0.992	0.995	0.995	0.998	0.999
0.70	0.937	0.986	0.990	0.994	0.994	0.997	0.998
1.00	0.918	0.983	0.987	0.992	0.993	0.997	0.998
2.00	0.862	0.969	0.978	0.989	0.990	0.995	0.997
3.00	0.817	0.956	0.970	0.985	0.988	0.994	0.996
4.00	0.780	0.944	0.962	0.982	0.986	0.993	0.996
5.00	0.749	0.932	0.954	0.978	0.983	0.992	0.995
6.00	0.722	0.921	0.946	0.975	0.981	0.991	0.995
7.00	0.698	0.909	0.939	0.972	0.979	0.990	0.995
8.50	0.666	0.892	0.928	0.967	0.976	0.988	0.994
10.00	0.637	0.876	0.918	0.963	0.972	0.987	0.994
12.50	0.593	0.849	0.900	0.956	0.967	0.985	0.993
15.00	0.554	0.822	0.883	0.948	0.962	0.982	0.992
17.50	0.519	0.796	0.866	0.940	0.957	0.980	0.991
20.00	0.486	0.769	0.848	0.932	0.952	0.978	0.990
25.00	0.425	0.713	0.812	0.915	0.942	0.973	0.988
30.00	0.377	0.665	0.780	0.899	0.932	0.968	0.987
35.00	0.335	0.620	0.749	0.884	0.924	0.964	0.985
40.00	0.299	0.577	0.719	0.869	0.915	0.960	0.985
50.00	0.237	0.491	0.654	0.837	0.898	0.951	0.980
60.00	0.190	0.421	0.598	0.808	0.863	0.943	0.976
70.00	0.153	0.359	0.546	0.779	0.868	0.935	0.973
85.00	0.110	0.279	0.472	0.735	0.846	0.922	0.967
100.00	0.079	0.215	0.406	0.695	0.826	0.910	0.962
125.00	0.044	0.134	0.318	0.632	0.793	0.889	0.952
150.00	0.024	0.080	0.246	0.575	0.763	0.870	0.944
175.00	0.012	0.045	0.189	0.522	0.735	0.852	0.935
200.00	0.006	0.025	0.146	0.474	0.708	0.835	0.926
250.00	0.001	0.007	0.085	0.388	0.652	0.794	0.907
300.00	0.000	0.002	0.049	0.311	0.596	0.753	0.885
350.00	0.000	0.000	0.028	0.243	0.536	0.707	0.861
400.00	0.000	0.000	0.015	0.186	0.478	0.660	0.834
500.00	0.000	0.000	0.005	0.104	0.370	0.564	0.774
600.00	0.000	0.000	0.001	0.055	0.278	0.472	0.711
700.00	0.000	0.000	0.000	0.029	0.204	0.384	0.647
850.00	0.000	0.000	0.000	0.011	0.125	0.271	0.554
920.00	0.000	0.000	0.000	0.007	0.099	0.226	0.513
1000.00	0.000	0.000	0.000	0.004	0.075	0.181	0.468

Table 10

CM ⁻¹ P (mbar)	669	679	690	702	719	732	751
0.20	0.966	0.993	0.995	0.996	0.996	0.998	0.999
0.30	0.959	0.992	0.993	0.996	0.996	0.998	0.999
0.50	0.946	0.988	0.991	0.994	0.995	0.997	0.999
0.70	0.931	0.985	0.989	0.993	0.994	0.997	0.998
1.00	0.911	0.981	0.986	0.992	0.993	0.996	0.998
2.00	0.851	0.966	0.975	0.988	0.990	0.995	0.997
3.00	0.804	0.952	0.967	0.984	0.987	0.994	0.996
4.00	0.765	0.939	0.958	0.980	0.984	0.992	0.995
5.00	0.733	0.926	0.949	0.976	0.982	0.991	0.995
6.00	0.705	0.913	0.941	0.973	0.979	0.990	0.994
7.00	0.681	0.900	0.933	0.969	0.977	0.989	0.994
8.50	0.647	0.882	0.921	0.964	0.973	0.987	0.993
10.00	0.618	0.864	0.910	0.959	0.970	0.985	0.993
12.50	0.571	0.834	0.890	0.951	0.964	0.983	0.992
15.00	0.531	0.806	0.871	0.942	0.958	0.980	0.991
17.00	0.494	0.776	0.852	0.933	0.953	0.978	0.990
20.00	0.460	0.746	0.833	0.924	0.947	0.975	0.989
25.00	0.399	0.688	0.795	0.905	0.936	0.970	0.987
30.00	0.350	0.637	0.760	0.888	0.926	0.965	0.985
35.00	0.308	0.588	0.726	0.871	0.916	0.960	0.983
40.00	0.270	0.539	0.692	0.855	0.907	0.955	0.981
50.00	0.211	0.454	0.623	0.820	0.889	0.945	0.977
60.00	0.166	0.380	0.563	0.787	0.872	0.936	0.973
70.00	0.131	0.318	0.508	0.756	0.856	0.927	0.969
85.00	0.090	0.240	0.433	0.710	0.833	0.913	0.963
100.00	0.062	0.178	0.368	0.668	0.811	0.900	0.957
125.00	0.032	0.103	0.278	0.601	0.776	0.877	0.947
150.00	0.016	0.057	0.209	0.540	0.744	0.857	0.937
175.00	0.007	0.029	0.156	0.486	0.713	0.838	0.927
200.00	0.003	0.015	0.117	0.437	0.684	0.818	0.917
250.00	0.001	0.003	0.065	0.349	0.624	0.773	0.895
300.00	0.000	0.001	0.036	0.273	0.563	0.727	0.871
350.00	0.000	0.000	0.019	0.208	0.501	0.678	0.845
400.00	0.000	0.000	0.010	0.155	0.441	0.627	0.816
500.00	0.000	0.000	0.003	0.083	0.332	0.526	0.750
600.00	0.000	0.000	0.000	0.041	0.242	0.429	0.682
700.00	0.000	0.000	0.000	0.021	0.172	0.339	0.614
850.00	0.000	0.000	0.000	0.007	0.100	0.227	0.517
920.00	0.000	0.000	0.000	0.005	0.077	0.184	0.475
1000.00	0.000	0.000	0.000	0.003	0.057	0.143	0.429

Table II

cm^{-1} P(mbar)	669	679	690	702	719	732	751
0.20	0.978	0.994	0.995	0.997	0.997	0.998	0.999
0.30	0.973	0.993	0.994	0.996	0.996	0.998	0.999
0.50	0.965	0.990	0.992	0.995	0.995	0.998	0.999
0.70	0.957	0.987	0.990	0.994	0.994	0.997	0.999
1.00	0.944	0.982	0.987	0.993	0.993	0.997	0.998
2.00	0.907	0.970	0.979	0.989	0.991	0.996	0.997
3.00	0.876	0.958	0.971	0.986	0.988	0.994	0.997
4.00	0.850	0.947	0.964	0.983	0.986	0.993	0.996
5.00	0.826	0.935	0.957	0.980	0.984	0.992	0.996
6.00	0.804	0.924	0.950	0.977	0.981	0.991	0.995
7.00	0.784	0.913	0.943	0.974	0.979	0.990	0.995
8.50	0.757	0.896	0.932	0.970	0.976	0.989	0.994
10.0	0.731	0.880	0.923	0.965	0.973	0.988	0.994
12.50	0.691	0.854	0.906	0.959	0.968	0.986	0.993
15.00	0.653	0.828	0.890	0.952	0.963	0.983	0.993
17.50	0.618	0.802	0.874	0.945	0.958	0.981	0.992
20.00	0.585	0.776	0.857	0.937	0.953	0.979	0.991
25.00	0.522	0.721	0.823	0.921	0.943	0.975	0.989
30.00	0.470	0.674	0.793	0.906	0.934	0.971	0.988
35.00	0.423	0.630	0.763	0.892	0.926	0.966	0.986
40.00	0.382	0.587	0.734	0.878	0.917	0.962	0.985
50.00	0.309	0.502	0.673	0.848	0.901	0.954	0.982
60.00	0.252	0.433	0.619	0.822	0.886	0.946	0.979
70.00	0.204	0.370	0.568	0.794	0.872	0.938	0.975
85.00	0.148	0.290	0.497	0.753	0.851	0.926	0.970
100.00	0.107	0.225	0.434	0.716	0.832	0.914	0.966
125.00	0.060	0.142	0.344	0.656	0.800	0.894	0.957
150.00	0.033	0.086	0.272	0.601	0.772	0.875	0.949
175.00	0.017	0.050	0.214	0.550	0.745	0.857	0.942
200.00	0.009	0.028	0.168	0.503	0.719	0.840	0.934
250.00	0.002	0.008	0.102	0.417	0.665	0.800	0.916
300.00	0.000	0.002	0.061	0.340	0.611	0.758	0.897
350.00	0.000	0.001	0.036	0.270	0.553	0.713	0.874
400.00	0.000	0.000	0.020	0.210	0.497	0.665	0.850
500.00	0.000	0.000	0.007	0.122	0.391	0.569	0.794
600.00	0.000	0.000	0.001	0.067	0.300	0.476	0.755
700.00	0.000	0.000	0.000	0.036	0.224	0.388	0.674
850.00	0.000	0.000	0.000	0.014	0.141	0.274	0.584
920.00	0.000	0.000	0.000	0.009	0.113	0.229	0.544
1000.00	0.000	0.000	0.000	0.006	0.087	0.184	0.499

Table 13

cm^{-1} P (mbar)	669	679	690	702	719	732	751
0.2	0.968	0.994	0.995	0.997	0.997	0.998	0.999
0.3	0.962	0.992	0.994	0.996	0.996	0.998	0.999
0.5	0.950	0.989	0.992	0.995	0.995	0.998	0.999
0.7	0.937	0.986	0.990	0.994	0.994	0.997	0.998
1.0	0.918	0.983	0.987	0.992	0.993	0.997	0.998
2.0	0.862	0.969	0.978	0.989	0.990	0.995	0.997
3.0	0.817	0.956	0.970	0.985	0.988	0.994	0.996
4.0	0.780	0.944	0.962	0.982	0.986	0.993	0.996
5.0	0.749	0.932	0.954	0.978	0.983	0.992	0.995
6.0	0.722	0.921	0.946	0.975	0.981	0.991	0.995
7.0	0.698	0.909	0.939	0.972	0.979	0.990	0.995
8.5	0.666	0.892	0.928	0.967	0.976	0.988	0.994
10.0	0.637	0.876	0.918	0.963	0.972	0.987	0.994
12.5	0.593	0.849	0.900	0.956	0.967	0.985	0.993
15.0	0.554	0.822	0.883	0.948	0.962	0.982	0.992
17.5	0.519	0.796	0.866	0.940	0.957	0.980	0.991
20.0	0.486	0.769	0.848	0.932	0.952	0.978	0.990
25.0	0.425	0.713	0.812	0.915	0.942	0.973	0.988
30.0	0.377	0.665	0.780	0.899	0.932	0.968	0.987
35.0	0.335	0.620	0.749	0.884	0.924	0.964	0.985
40.0	0.299	0.577	0.719	0.869	0.915	0.960	0.983
50.0	0.237	0.491	0.654	0.837	0.898	0.951	0.980
60.0	0.190	0.421	0.593	0.808	0.883	0.943	0.976
70.0	0.153	0.359	0.546	0.779	0.868	0.935	0.973
85.0	0.110	0.279	0.472	0.735	0.846	0.922	0.967
100.0	0.079	0.215	0.408	0.695	0.826	0.910	0.962
125.0	0.044	0.134	0.318	0.632	0.793	0.889	0.952
150.0	0.024	0.080	0.246	0.575	0.763	0.870	0.944
175.0	0.012	0.045	0.189	0.522	0.735	0.852	0.935
200.0	0.006	0.025	0.146	0.474	0.708	0.835	0.926
250.0	0.001	0.007	0.085	0.388	0.652	0.794	0.906
300.0	0	0.002	0.049	0.311	0.595	0.752	0.884
350.0	0	0	0.028	0.242	0.535	0.706	0.859
400.0	0	0	0.015	0.185	0.477	0.658	0.832
500.0	0	0	0.005	0.103	0.368	0.561	0.769
600.0	0	0	0.001	0.054	0.274	0.466	0.702
700.0	0	0	0	0.028	0.199	0.375	0.632
850.0	0	0	0	0.010	0.119	0.258	0.526
920.0	0	0	0	0.007	0.092	0.211	0.478
1000.0	0.000	0.000	0.000	0.004	0.068	0.164	0.423

Table 12

cm^{-1} P (mbar)	669	679	690	702	719	732	751
0.20	0.969	0.993	0.995	0.996	0.997	0.998	0.999
0.30	0.963	0.992	0.994	0.996	0.996	0.998	0.999
0.50	0.952	0.989	0.992	0.995	0.995	0.997	0.999
0.70	0.939	0.986	0.990	0.994	0.994	0.997	0.998
1.00	0.921	0.982	0.987	0.992	0.993	0.996	0.998
2.00	0.868	0.967	0.978	0.988	0.991	0.995	0.997
3.00	0.824	0.954	0.970	0.985	0.988	0.994	0.996
4.00	0.789	0.942	0.962	0.981	0.986	0.993	0.996
5.00	0.759	0.930	0.954	0.978	0.984	0.991	0.995
6.00	0.733	0.918	0.947	0.975	0.981	0.990	0.995
7.00	0.710	0.907	0.939	0.971	0.979	0.989	0.994
8.50	0.679	0.890	0.929	0.966	0.976	0.987	0.991
10.00	0.651	0.873	0.918	0.962	0.973	0.986	0.993
12.50	0.608	0.846	0.901	0.954	0.968	0.983	0.992
15.00	0.570	0.820	0.883	0.946	0.963	0.981	0.991
17.50	0.535	0.793	0.866	0.938	0.958	0.978	0.991
20.00	0.503	0.766	0.848	0.930	0.953	0.976	0.990
25.00	0.443	0.711	0.813	0.913	0.943	0.971	0.988
30.00	0.394	0.664	0.781	0.896	0.934	0.966	0.986
35.00	0.352	0.619	0.750	0.881	0.925	0.961	0.984
40.00	0.316	0.576	0.719	0.866	0.917	0.957	0.982
50.00	0.251	0.491	0.655	0.833	0.900	0.948	0.979
60.00	0.203	0.422	0.600	0.804	0.884	0.939	0.975
70.00	0.164	0.360	0.548	0.774	0.869	0.931	0.971
85.00	0.119	0.281	0.475	0.731	0.847	0.918	0.966
100.00	0.085	0.217	0.411	0.691	0.827	0.905	0.960
125.00	0.048	0.137	0.322	0.628	0.794	0.885	0.951
150.00	0.026	0.082	0.251	0.571	0.763	0.865	0.941
175.00	0.014	0.048	0.195	0.519	0.735	0.847	0.932
200.00	0.007	0.027	0.151	0.471	0.707	0.829	0.924
250.00	0.002	0.008	0.091	0.387	0.650	0.789	0.903
300.00	0.000	0.002	0.054	0.312	0.594	0.747	0.881
350.00	0.000	0.001	0.031	0.246	0.553	0.702	0.856
400.00	0.000	0.000	0.018	0.190	0.475	0.654	0.829
500.00	0.000	0.000	0.006	0.110	0.367	0.559	0.768
600.00	0.000	0.000	0.001	0.061	0.276	0.468	0.705
700.00	0.000	0.000	0.000	0.033	0.203	0.381	0.641
850.00	0.000	0.000	0.000	0.014	0.125	0.270	0.548
920.00	0.000	0.000	0.000	0.009	0.100	0.226	0.508
1000.00	0.000	0.000	0.000	0.006	0.076	0.182	0.464

Table I4

CM ⁻¹ P(mbar)	669	679	690	702	719	732	751
0.2	0.968	0.994	0.995	0.997	0.997	0.998	0.999
0.3	0.962	0.992	0.994	0.996	0.996	0.998	0.999
0.5	0.950	0.989	0.992	0.995	0.995	0.998	0.999
0.7	0.937	0.986	0.990	0.994	0.994	0.997	0.998
1.0	0.918	0.983	0.987	0.992	0.993	0.997	0.998
2.0	0.862	0.969	0.978	0.989	0.990	0.995	0.997
3.0	0.817	0.956	0.970	0.985	0.988	0.994	0.996
4.0	0.780	0.944	0.962	0.982	0.986	0.993	0.996
5.0	0.749	0.932	0.954	0.978	0.983	0.992	0.995
6.0	0.722	0.921	0.946	0.975	0.981	0.991	0.995
7.0	0.698	0.909	0.939	0.972	0.979	0.990	0.995
8.5	0.666	0.892	0.928	0.967	0.976	0.988	0.994
10.0	0.637	0.876	0.918	0.963	0.972	0.987	0.994
12.5	0.593	0.849	0.900	0.956	0.967	0.985	0.993
15.0	0.554	0.822	0.883	0.948	0.962	0.982	0.992
17.5	0.519	0.796	0.866	0.940	0.957	0.980	0.991
20.0	0.486	0.769	0.848	0.932	0.952	0.978	0.990
25.0	0.425	0.713	0.812	0.915	0.942	0.973	0.988
30.0	0.377	0.665	0.790	0.899	0.932	0.968	0.987
35.0	0.335	0.620	0.749	0.884	0.924	0.964	0.985
40.0	0.299	0.577	0.719	0.869	0.915	0.960	0.983
50.0	0.237	0.491	0.654	0.837	0.898	0.951	0.980
60.0	0.190	0.421	0.598	0.808	0.883	0.943	0.976
70.0	0.153	0.359	0.546	0.779	0.868	0.935	0.973
85.0	0.110	0.279	0.472	0.735	0.846	0.922	0.967
100.0	0.079	0.215	0.408	0.695	0.826	0.910	0.962
125.0	0.044	0.134	0.318	0.632	0.793	0.889	0.952
150.0	0.024	0.080	0.246	0.575	0.763	0.870	0.944
175.0	0.012	0.045	0.189	0.522	0.735	0.852	0.935
200.0	0.006	0.025	0.146	0.474	0.708	0.835	0.925
250.0	0.001	0.007	0.085	0.388	0.651	0.793	0.906
300.0	0	0.002	0.049	0.310	0.594	0.751	0.883
350.0	0	0	0.028	0.242	0.534	0.704	0.858
400.0	0	0	0.015	0.185	0.475	0.656	0.829
500.0	0	0	0.005	0.103	0.365	0.557	0.764
600.0	0	0	0.001	0.054	0.271	0.460	0.693
700.0	0	0	0	0.028	0.195	0.366	0.617
850.0	0	0	0	0.010	0.113	0.245	0.500
920.0	0	0	0	0.006	0.086	0.196	0.445
1000.0	0	0	0	0.003	0.0611	0.148	0.383

Table I5.

GM ^T	669	679	690	702	719	732	751
P(mbar)							
0.2	0.968	0.994	0.995	0.997	0.997	0.998	0.999
0.3	0.962	0.992	0.994	0.996	0.996	0.998	0.999
0.5	0.950	0.989	0.992	0.995	0.995	0.998	0.999
0.7	0.937	0.986	0.990	0.994	0.994	0.997	0.998
1.0	0.918	0.983	0.987	0.992	0.993	0.997	0.998
2.0	0.862	0.969	0.978	0.989	0.990	0.995	0.997
3.0	0.817	0.956	0.970	0.985	0.988	0.994	0.996
4.0	0.780	0.944	0.962	0.982	0.986	0.993	0.996
5.0	0.749	0.932	0.954	0.978	0.983	0.992	0.995
6.0	0.722	0.921	0.946	0.975	0.981	0.991	0.995
7.0	0.698	0.909	0.939	0.972	0.979	0.990	0.995
8.5	0.666	0.892	0.928	0.967	0.976	0.988	0.994
10.0	0.637	0.876	0.918	0.963	0.972	0.987	0.994
12.5	0.593	0.849	0.900	0.956	0.967	0.985	0.993
15.0	0.554	0.822	0.883	0.948	0.962	0.982	0.992
17.5	0.519	0.796	0.866	0.940	0.957	0.980	0.991
20.0	0.486	0.769	0.849	0.932	0.952	0.978	0.990
25.0	0.425	0.713	0.812	0.915	0.942	0.973	0.988
30.0	0.377	0.665	0.780	0.899	0.932	0.968	0.987
35.0	0.335	0.620	0.749	0.884	0.924	0.964	0.985
40.0	0.299	0.577	0.719	0.869	0.915	0.960	0.983
50.0	0.237	0.491	0.654	0.837	0.898	0.951	0.980
60.0	0.190	0.421	0.593	0.807	0.882	0.942	0.975
70.0	0.153	0.359	0.515	0.778	0.867	0.934	0.972
85.0	0.110	0.278	0.471	0.735	0.844	0.920	0.965
100.0	0.079	0.214	0.407	0.693	0.824	0.907	0.959
125.0	0.044	0.134	0.317	0.630	0.790	0.886	0.949
150.0	0.024	0.080	0.245	0.573	0.760	0.867	0.941
175.0	0.012	0.045	0.188	0.520	0.733	0.849	0.932
200.0	0.006	0.025	0.145	0.472	0.706	0.832	0.923
250.0	0.001	0.007	0.084	0.386	0.648	0.789	0.901
300.0	0	0.002	0.048	0.307	0.589	0.744	0.875
350.0	0	0	0.027	0.239	0.526	0.694	0.845
400.0	0	0	0.015	0.182	0.468	0.646	0.817
500.0	0	0	0.005	0.101	0.361	0.550	0.754
600.0	0	0	0.001	0.053	0.270	0.458	0.690
700.0	0	0	0	0.028	0.196	0.369	0.622
850.0	0	0	0	0.010	0.117	0.254	0.520
920.0	0	0	0	0.006	0.091	0.209	0.474
1000.0	0	0	0	0.004	0.068	0.164	0.423

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Table I6

P	669	679	690	702	719	732	751
0.2	0.968	0.994	0.995	0.997	0.997	0.998	0.999
0.3	0.962	0.992	0.994	0.996	0.996	0.998	0.999
0.5	0.950	0.989	0.992	0.995	0.995	0.998	0.999
0.7	0.937	0.986	0.990	0.994	0.994	0.997	0.998
1.0	0.918	0.983	0.987	0.992	0.993	0.997	0.998
2.0	0.862	0.969	0.978	0.989	0.990	0.995	0.997
3.0	0.817	0.956	0.970	0.985	0.988	0.994	0.996
4.0	0.780	0.944	0.962	0.982	0.986	0.993	0.996
5.0	0.749	0.932	0.954	0.978	0.983	0.992	0.995
6.0	0.722	0.921	0.946	0.975	0.981	0.991	0.995
7.0	0.698	0.909	0.939	0.972	0.979	0.990	0.995
8.0	0.666	0.892	0.928	0.967	0.976	0.988	0.994
10.0	0.637	0.876	0.918	0.963	0.972	0.987	0.994
12.5	0.593	0.849	0.900	0.956	0.967	0.985	0.993
15.0	0.554	0.822	0.883	0.948	0.962	0.982	0.992
17.0	0.519	0.796	0.866	0.940	0.957	0.980	0.991
20.0	0.486	0.769	0.848	0.932	0.952	0.978	0.990
25.0	0.425	0.713	0.812	0.915	0.942	0.973	0.988
30.0	0.377	0.665	0.780	0.899	0.932	0.968	0.987
35.0	0.335	0.620	0.749	0.884	0.924	0.964	0.985
40.0	0.299	0.577	0.719	0.869	0.915	0.960	0.983
50.0	0.237	0.491	0.654	0.837	0.897	0.950	0.979
60.0	0.190	0.420	0.597	0.807	0.882	0.942	0.975
70.0	0.153	0.358	0.544	0.777	0.866	0.932	0.970
85.0	0.110	0.278	0.470	0.732	0.842	0.918	0.963
100.0	0.079	0.214	0.406	0.691	0.821	0.905	0.957
125.0	0.044	0.133	0.316	0.628	0.788	0.883	0.946
150.0	0.024	0.079	0.244	0.571	0.758	0.864	0.938
175.0	0.012	0.045	0.188	0.519	0.730	0.846	0.929
200.0	0.006	0.025	0.145	0.471	0.703	0.829	0.919
250.0	0.001	0.007	0.084	0.383	0.644	0.784	0.896
300.0	0	0.002	0.048	0.304	0.582	0.735	0.864
350.0	0	0	0.027	0.234	0.517	0.682	0.830
400.0	0	0	0.014	0.178	0.458	0.633	0.800
500.0	0	0	0.005	0.099	0.351	0.535	0.735
600.0	0	0	0.001	0.052	0.262	0.445	0.670
700.0	0	0	0	0.027	0.189	0.355	0.599
850.0	0	0	0	0.010	0.110	0.239	0.488
920.0	0	0	0	0.006	0.085	0.193	0.438
1000.0	0	0	0	0.003	0.061	0.148	0.383

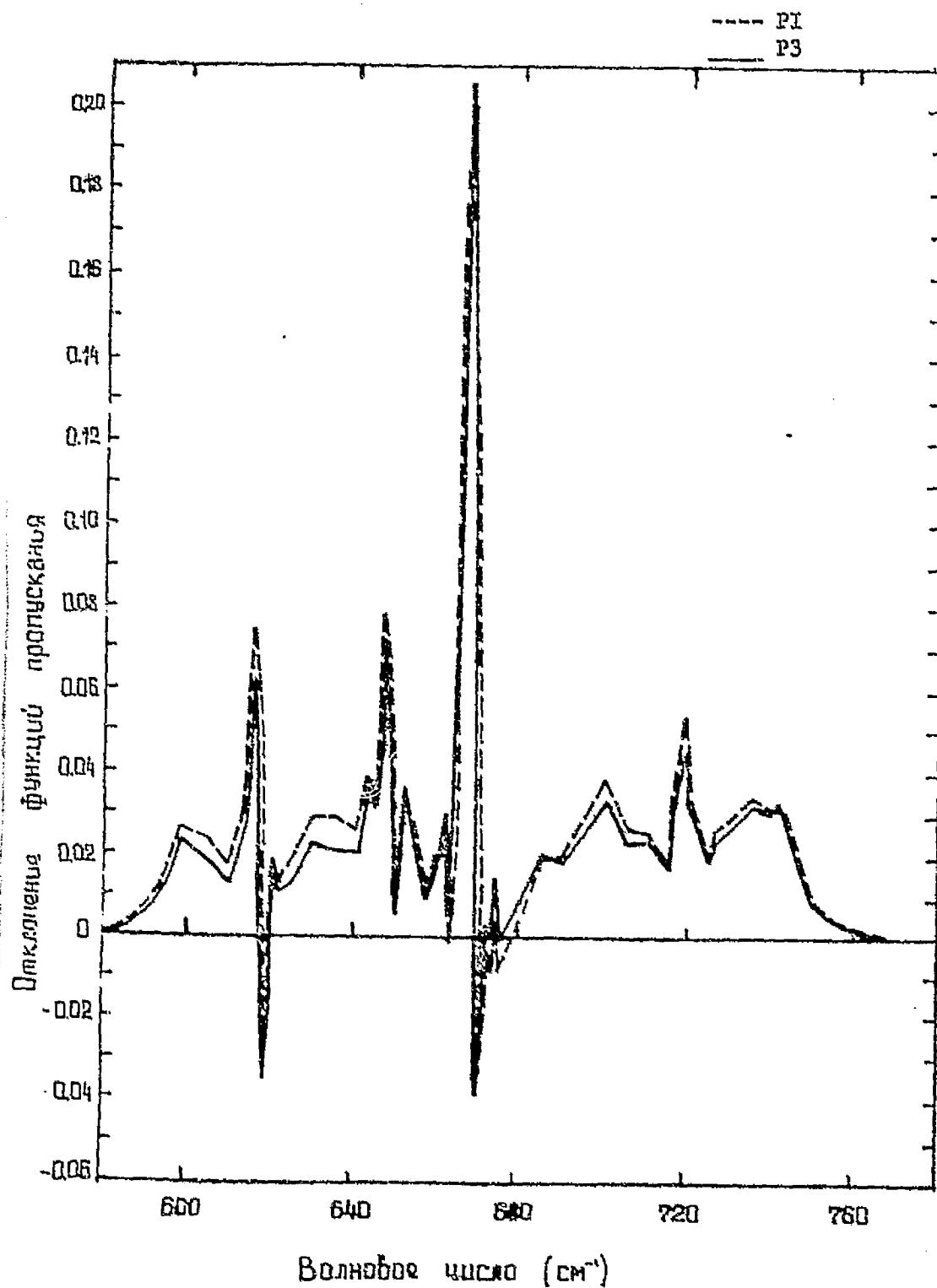
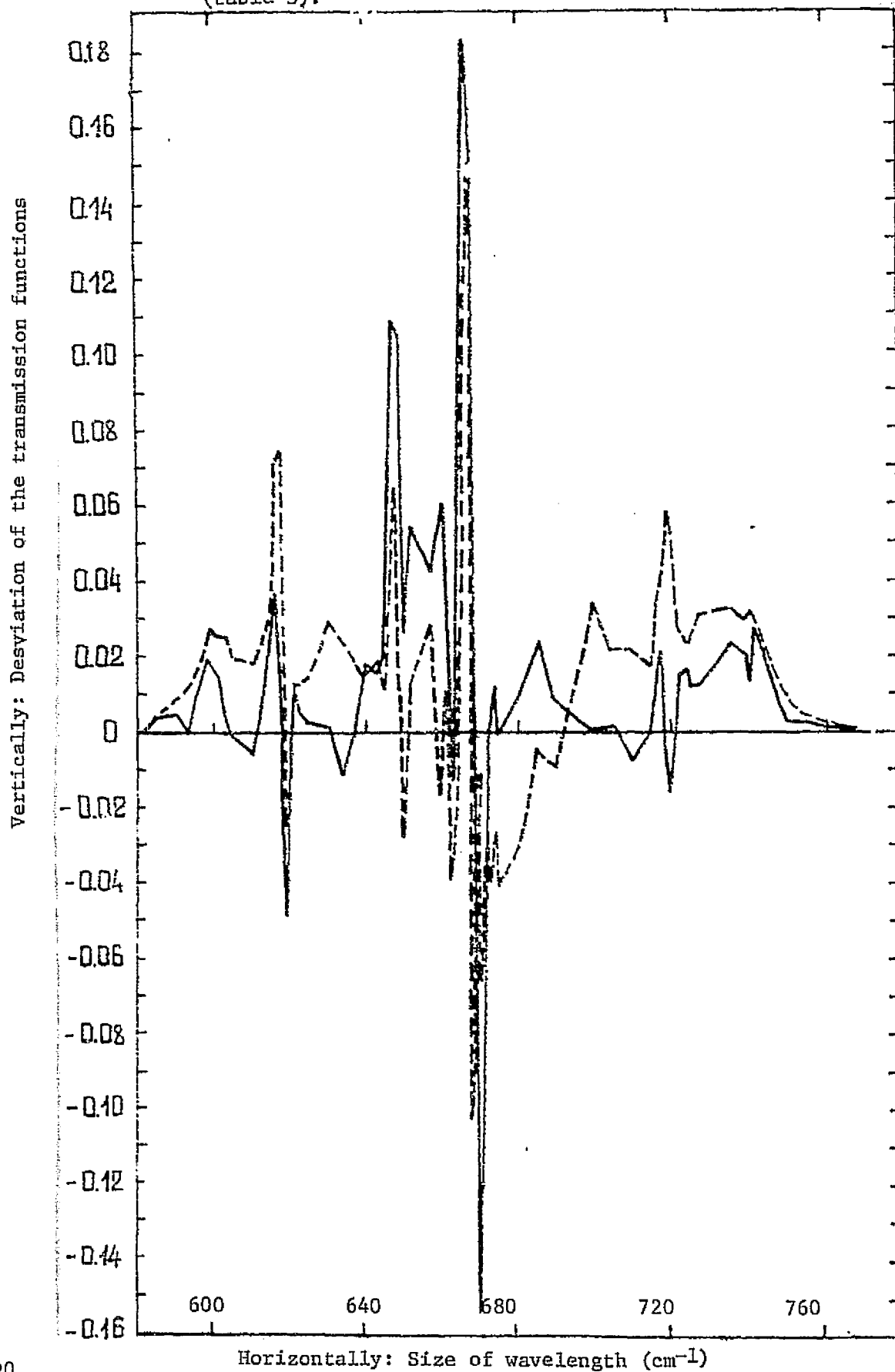


Figure 1a: The Difference Between the Experimental and the Estimated Spectra. Conditions for comparison of No. 3 (table 3).

Vertically: Deviations of the transmission functions.
 Horizontally: Size of wavelength (cm^{-1}).

Figure 1b: The Difference Between the Experimental and the Estimated Transmissions. Conditions of radiation dispersion No 3 (table 3).



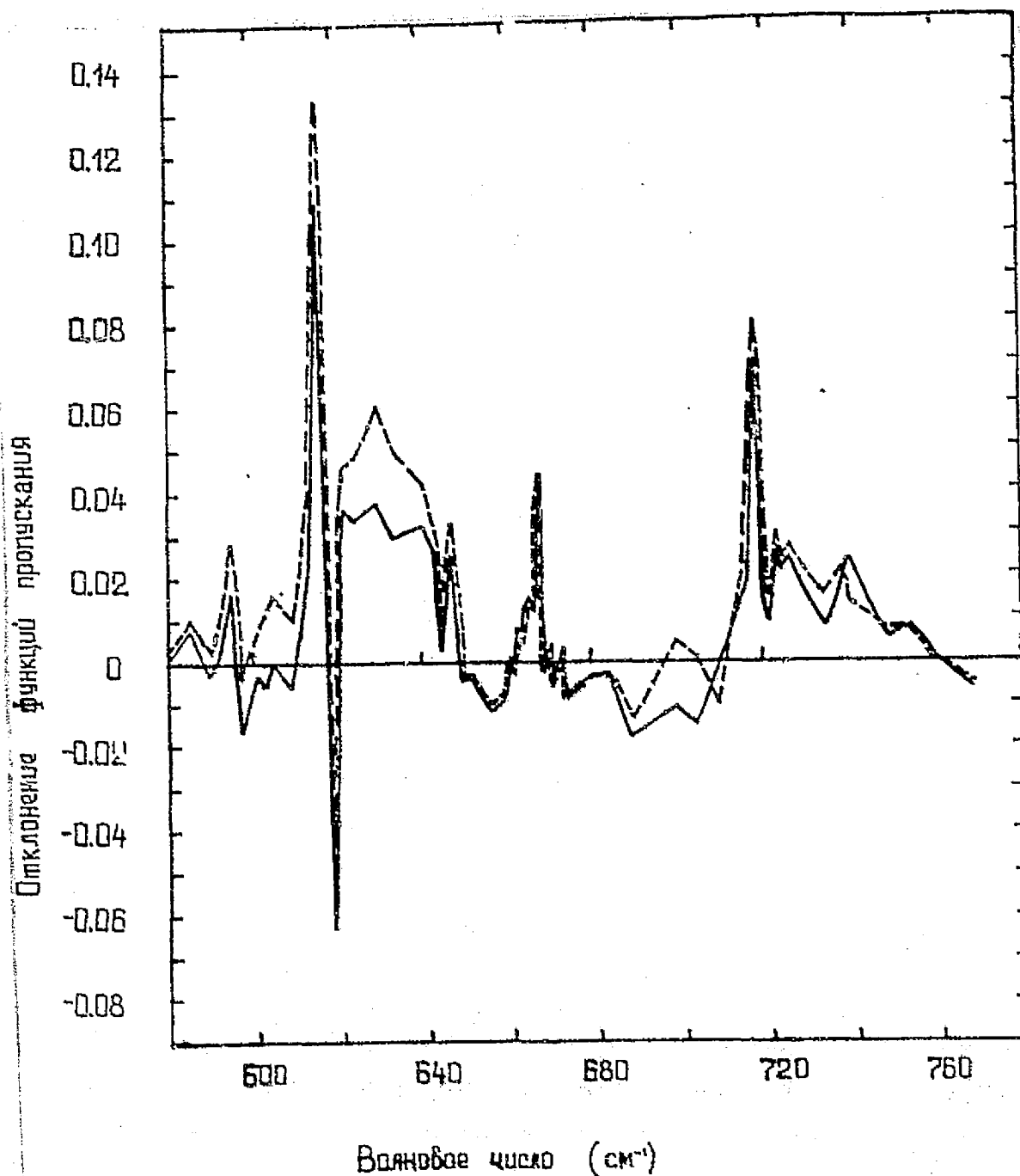


Figure 2a: Spectral behavior of the values $\Delta P(\nu)$ for methods PI (---) and P3 (—) for the conditions of experiment No. 6.

Vertically: Deviation of the transmission functions.
 Horizontally: Size of the wavelength (cm⁻¹).

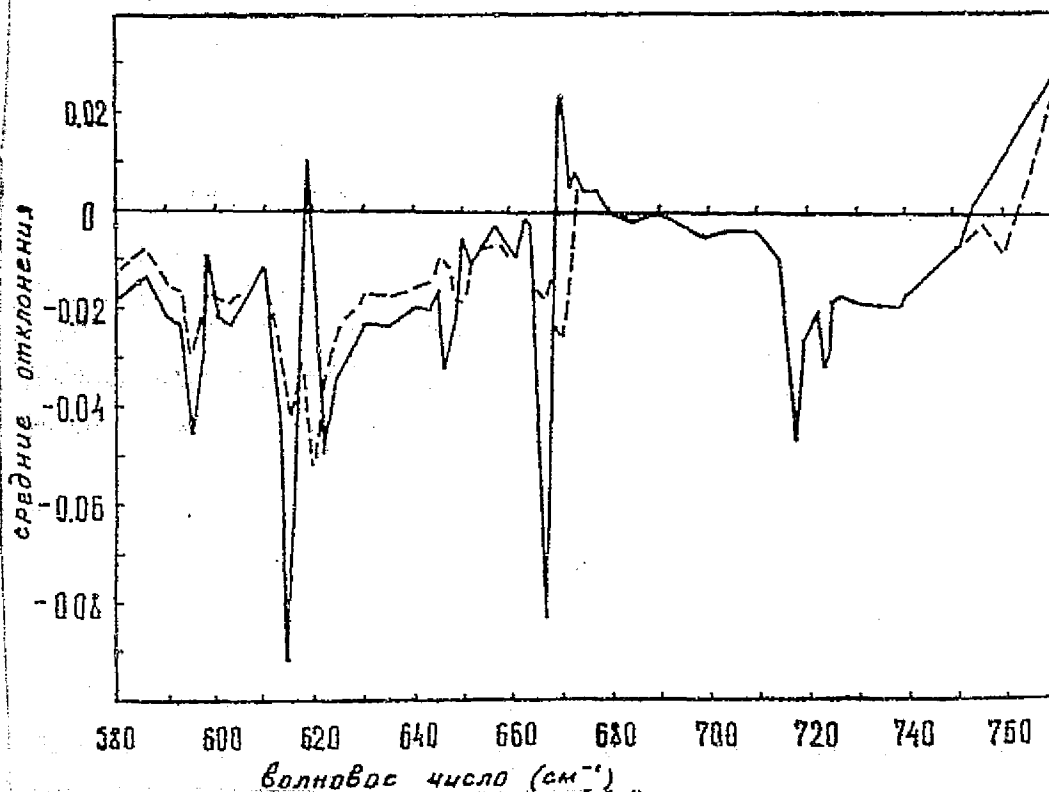
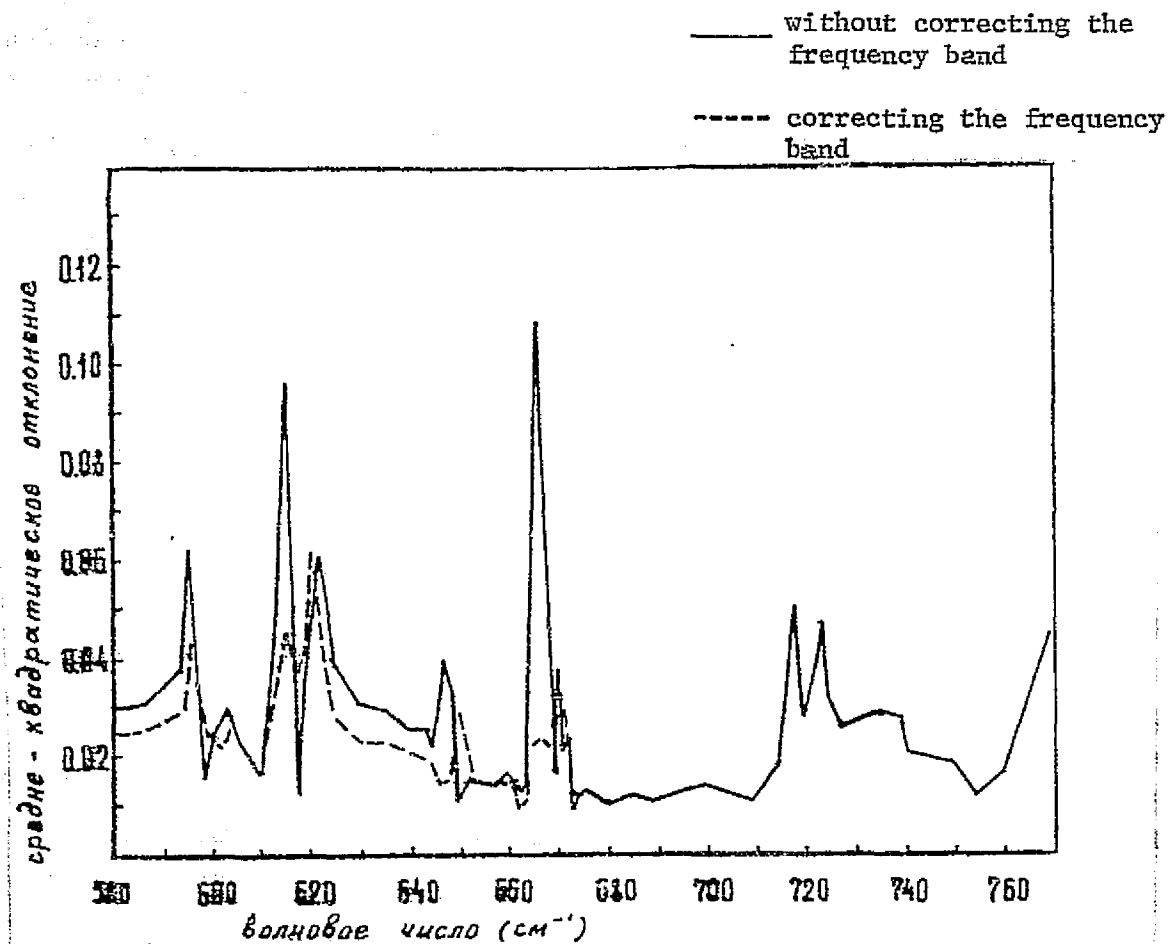
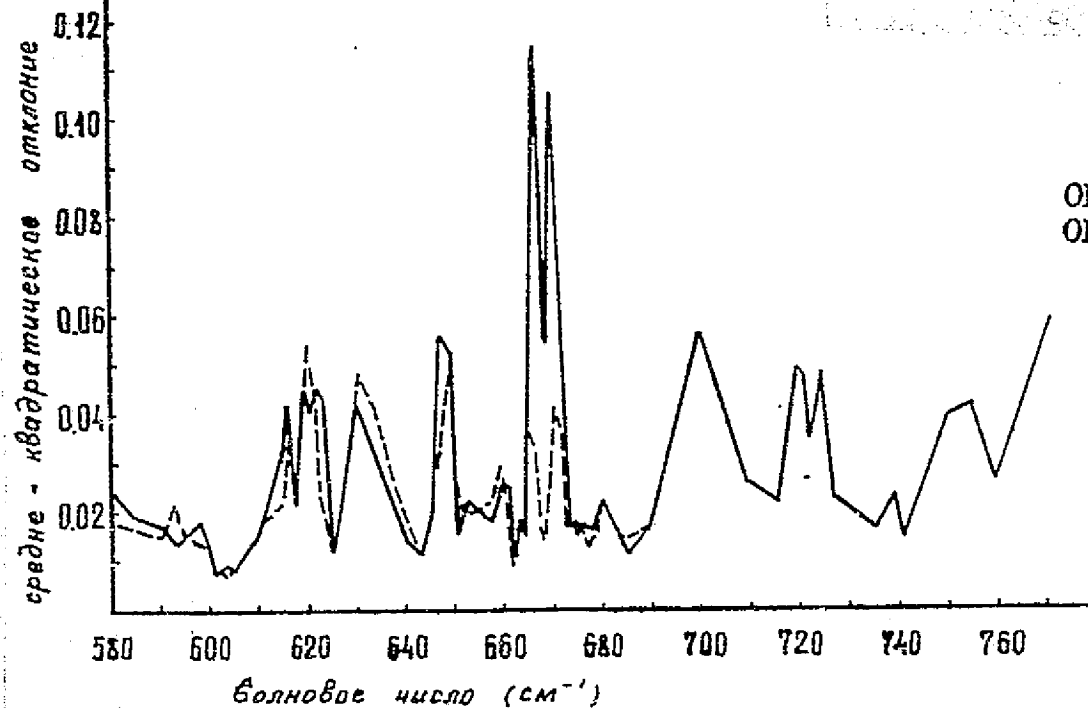


Figure 3a: Characteristics of $\Delta(\nu)$ and $\delta(\nu)$ for program P-I
 Horizontally: Size of wavelength (cm⁻¹).

Vertically: Average quadratic deviation.
 Average deviation.



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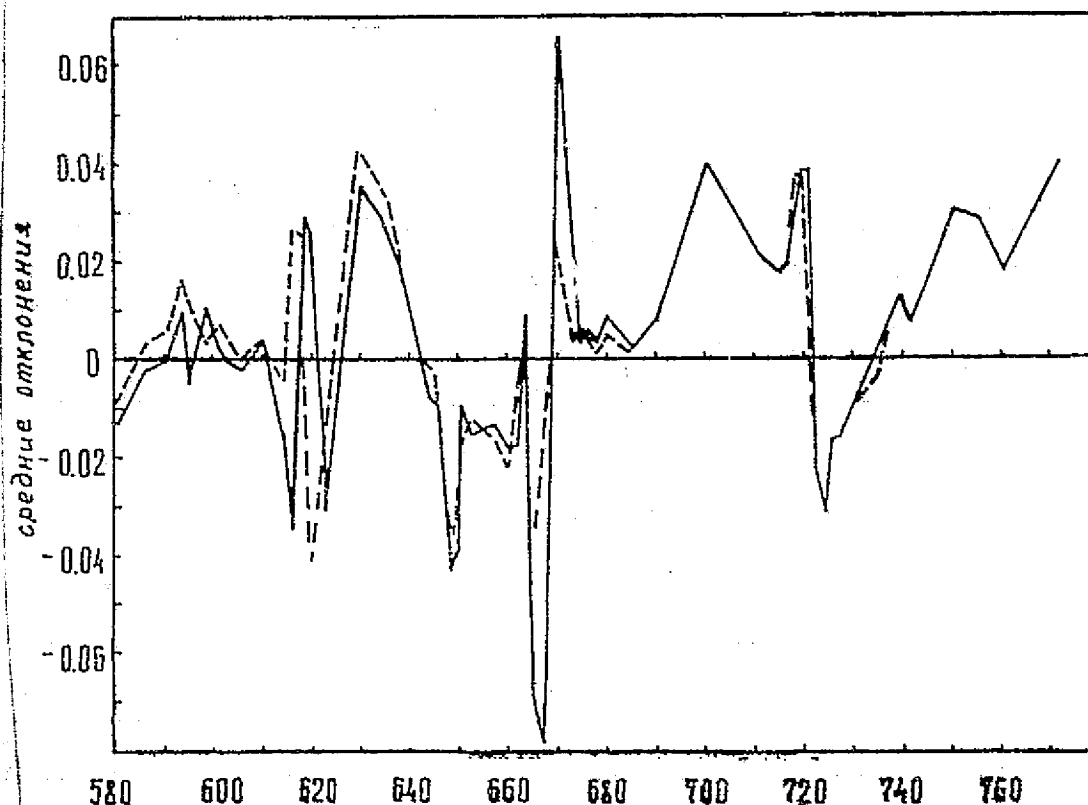


Figure 3b: Characteristics of $\Delta(\nu)$ and $\delta(\nu)$ for program P2.
Horizontally: Size of wavelength (cm^{-1})

Vertically: Average quadratic deviation.
Average deviation.

— without correction
 ---- with correction of the
 frequency band

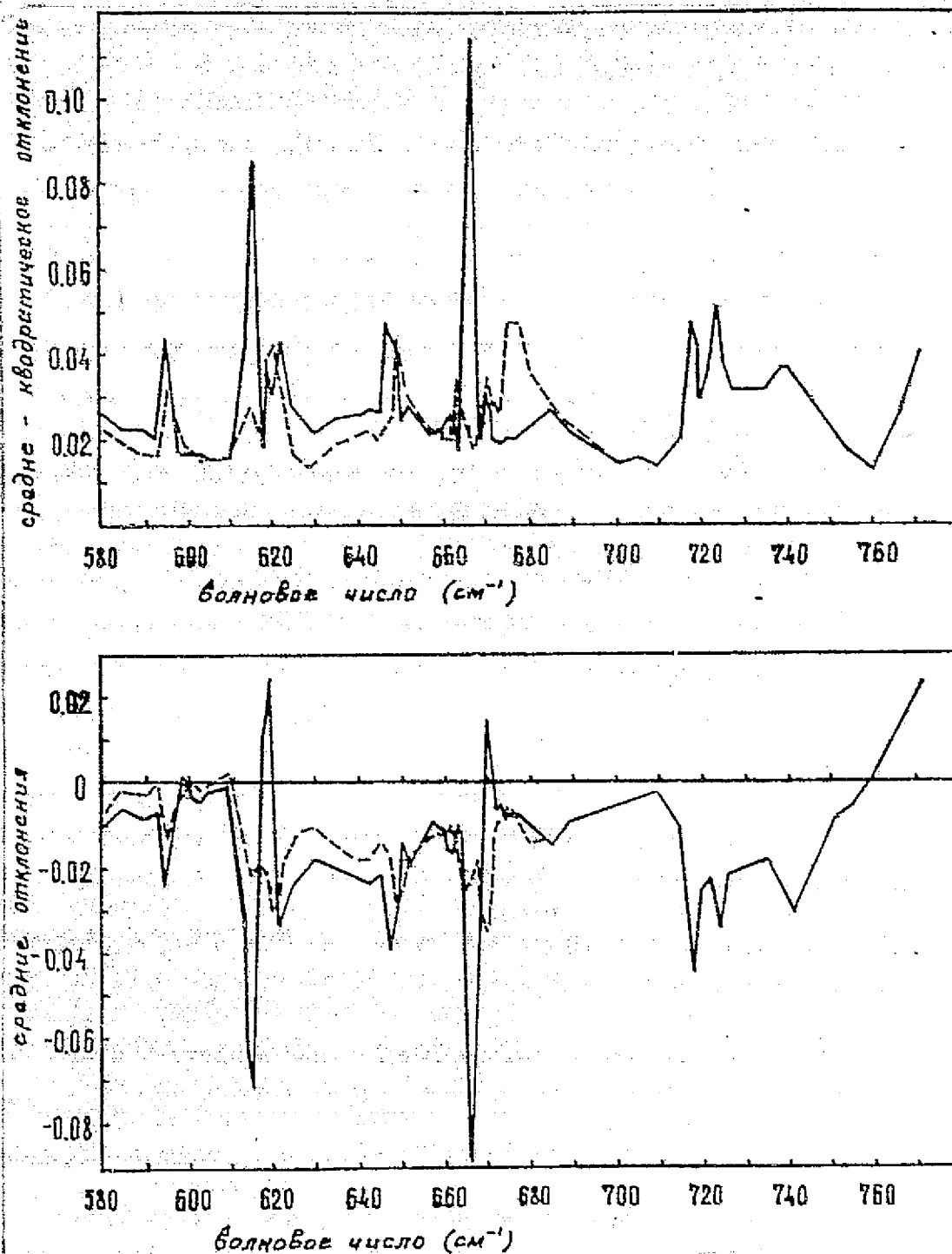


Figure 3c: Characteristics of $\Delta(\nu)$ and $\delta(\nu)$ for program P3.
 Horizontally: Size of wavelength (cm^{-1}). Vertically: Average quadratic deviation; average deviation.

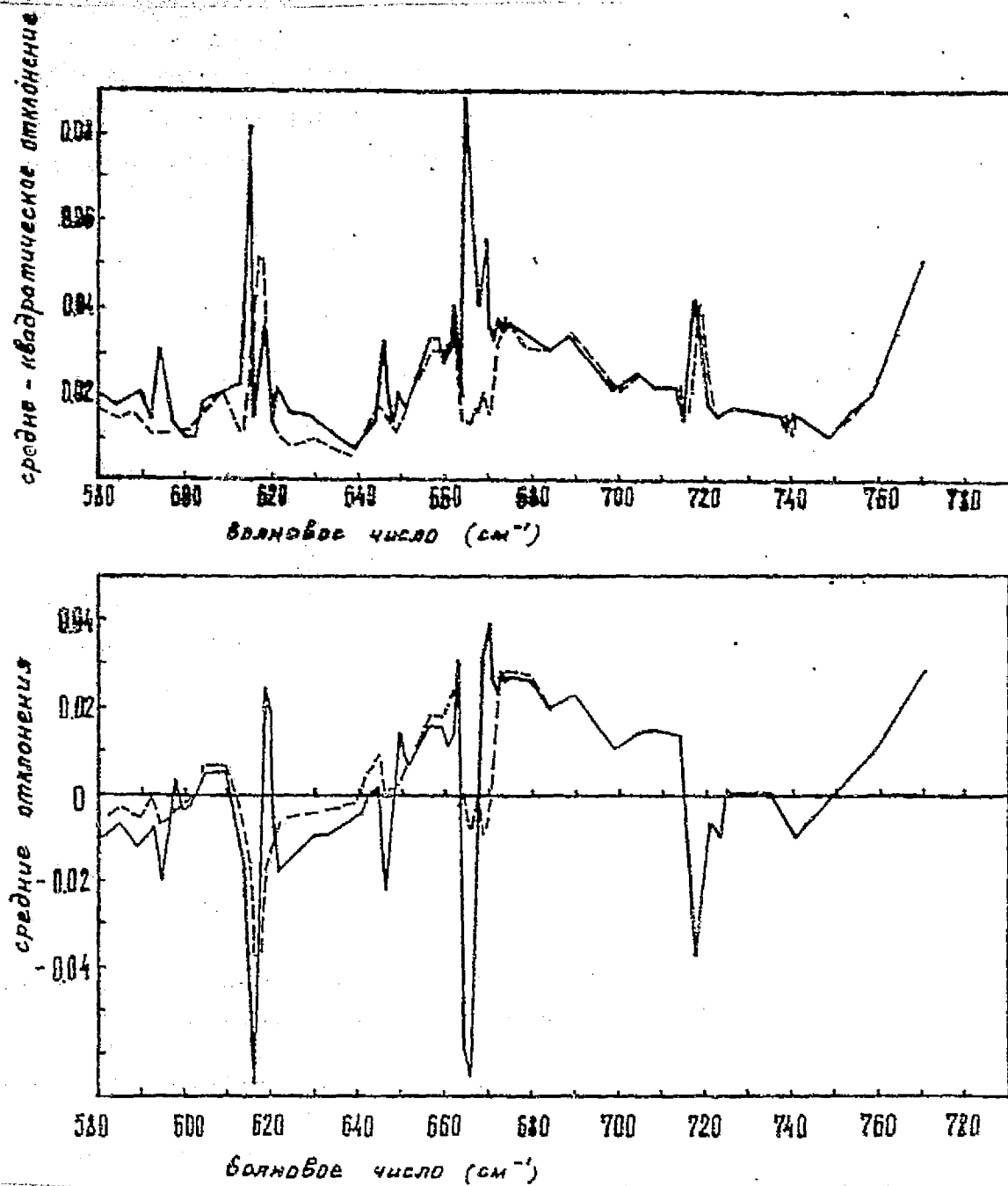


Figure 3d: Characteristics of P_4 and P_4 for program P4.
 Horizontally: Size of wavelength (cm^{-1}).

Vertically: Average quadratic deviation.
 Average deviation.

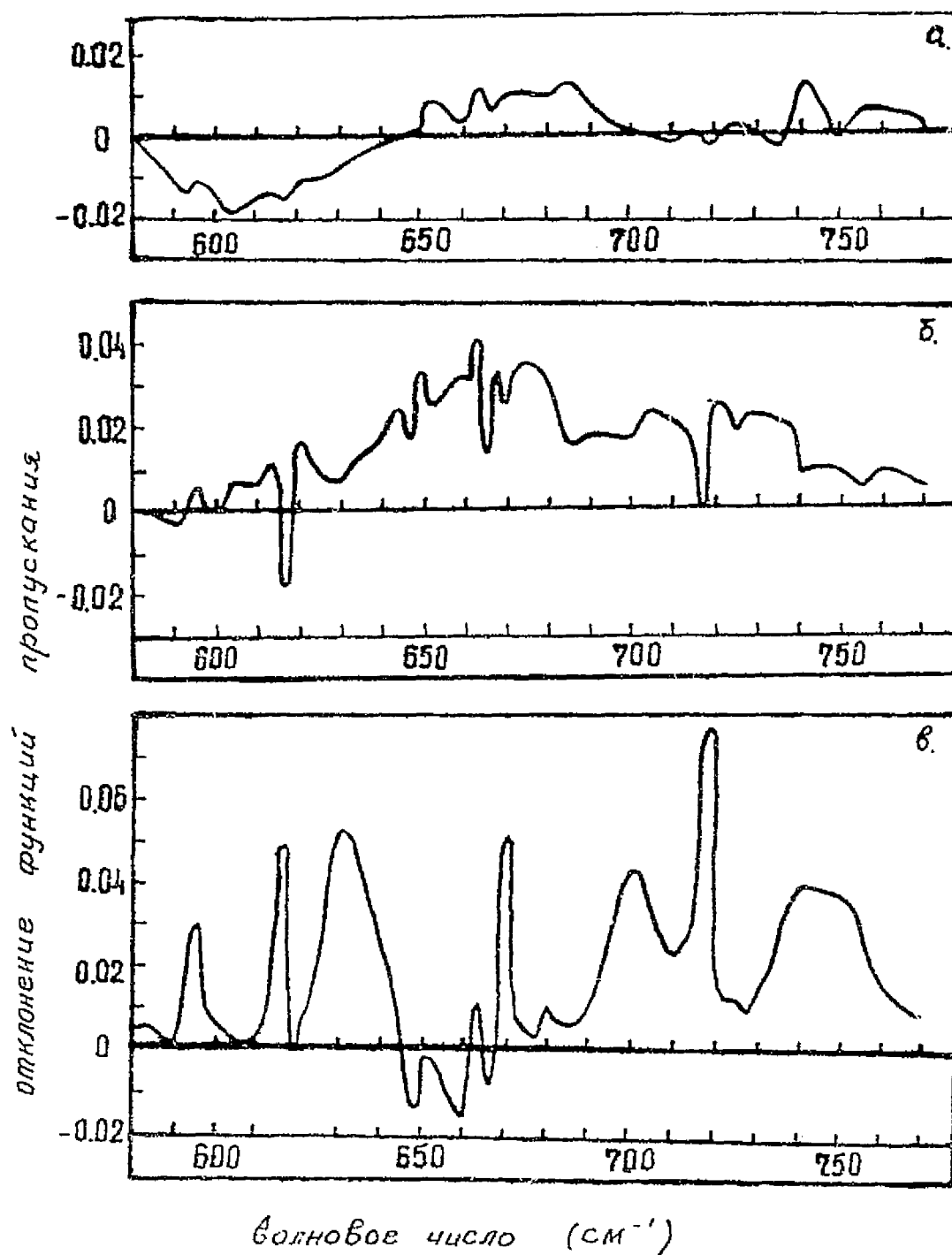


Figure 4: Comparison of different methods of estimation $P_{\Delta V}$
(in relationship to P3).

Horizontally: Size of wavelength (cm⁻¹)

Vertically: Deviation of the transmission functions.